

WEST Search History

DATE: Saturday, April 05,, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,PGPB; PLUR=YES; OP=ADJ</i>			
L7	L5 and frond	3	L7
L6	L5 and fron	0	L6
L5	L4 and tissue	20	L5
L4	l1 and stable	20	L4
L3	L2 and trangenic	2	L3
L2	lemnna	260	L2
L1	duckweed and transgenic	28	L1

END OF SEARCH HISTORY

Connecting via Winsock to STN

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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Apr 08	"Ask CAS" for self-help around the clock
NEWS 3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4	Apr 09	ZDB will be removed from STN
NEWS 5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS 9	Jun 03	New e-mail delivery for search results now available
NEWS 10	Jun 10	MEDLINE Reload
NEWS 11	Jun 10	PCTFULL has been reloaded
NEWS 12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS 13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS 14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS 15	Jul 30	NETFIRST to be removed from STN
NEWS 16	Aug 08	CANCERLIT reload
NEWS 17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18	Aug 08	NTIS has been reloaded and enhanced
NEWS 19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 23	Sep 03	JAPIO has been reloaded and enhanced
NEWS 24	Sep 16	Experimental properties added to the REGISTRY file
NEWS 25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27	Oct 21	EVENTLINE has been reloaded
NEWS 28	Oct 24	BEILSTEIN adds new search fields
NEWS 29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS 31	Nov 18	DKILIT has been renamed APOLLIT
NEWS 32	Nov 25	More calculated properties added to REGISTRY
NEWS 33	Dec 02	TIBKAT will be removed from STN
NEWS 34	Dec 04	CSA files on STN
NEWS 35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36	Dec 17	TOXCENTER enhanced with additional content
NEWS 37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 38	Dec 30	ISMEC no longer available
NEWS 39	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS 40	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS 41	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 42	Feb 13	CANCERLIT is no longer being updated
NEWS 43	Feb 24	METADEX enhancements
NEWS 44	Feb 24	PCTGEN now available on STN
NEWS 45	Feb 24	TEMA now available on STN

NEWS 46 Feb 26 NTIS now allows simultaneous left and right truncation
 NEWS 47 Feb 26 PCTFULL now contains images
 NEWS 48 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results
 NEWS 49 Mar 19 APOLLIT offering free connect time in April 2003
 NEWS 50 Mar 20 EVENTLINE will be removed from STN
 NEWS 51 Mar 24 PATDPAFULL now available on STN
 NEWS 52 Mar 24 Additional information for trade-named substances without
 structures available in REGISTRY
 NEWS 53 Mar 24 Indexing from 1957 to 1966 added to records in CA/CAPLUS

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
 MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
 AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
 NEWS HOURS STN Operating Hours Plus Help Desk Availability
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 14:30:31 ON 05 APR 2003

=> file agricola caplus biosis
 COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FILE 'AGRICOLA' ENTERED AT 14:30:42 ON 05 APR 2003

FILE 'CAPLUS' ENTERED AT 14:30:42 ON 05 APR 2003
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FILE 'BIOSIS' ENTERED AT 14:30:42 ON 05 APR 2003
 COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC.(R)

=> s duckweed or lemna or spirodela or wolffia or wolffiella
 L1 7285 DUCKWEED OR LEMNA OR SPIRODELA OR WOLFFIA OR WOLFFIELLA

=> s l1 and transgenic
 L2 22 L1 AND TRANSGENIC

=> del l2 y

=> s l1 and (transgenic or transform?)
 L2 91 L1 AND (TRANSGENIC OR TRANSFORM?)

=> s l2 and stable
 L3 6 L2 AND STABLE

=> dup rem l3
 PROCESSING COMPLETED FOR L3
 L4 3 DUP REM L3 (3 DUPLICATES REMOVED)

=> d 1-3 ti

L4 ANSWER 1 OF 3 AGRICOLA DUPLICATE 1
TI **Stable** isotope techniques for the analysis of indole auxin metabolism in normal and mutant plants.

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 2
TI D1-D2-cytochrome b559 complex from the aquatic plant **Spirodela** oligorrhiza: correlation between complex integrity, spectroscopic properties, photochemical activity, and pigment composition

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 3
TI Evidence for uptake of plamid DNA into intact plants (**Lemna** perpusilla) proved by an E. coli **transformation** assay

=> d 1-3 ab

L4 ANSWER 1 OF 3 AGRICOLA DUPLICATE 1

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 2
AB A D1-D2-cyt b559 complex with about 4 attached chlorophylls and 2 pheophytins was isolated from photosystem II of the aquatic plant **S. oligorrhiza** and used for studying the detergent-induced changes in spectroscopic properties and photochem. activity. Spectral analyses (absorption, CD, and fluorescence) of D1-D2-cyt b559 preps. that were incubated with different concns. of the detergent Triton X-100 indicate 2 forms of the D1-D2-cyt b559 complexes. One of them is photochem. active and has an absorption max. at 676 nm, weak fluorescence at 685 nm, and a strong CD signal. The other is photochem. inactive, with an absorption max. at 670 nm, strong fluorescence at 679 nm, and much weaker CD. The relative concns. of the 2 forms det. the overall spectra of the D1-D2-cyt b559 prepn. and can be deduced from the wavelength of the lowest energy absorption band: preps. having max. absorption at 674, 672, or 670.5 nm have approx. 20, 60, or 85% inactive complexes. The active form contains 2 chlorophylls with max. absorption at 679 nm and CD signals at 679 (+) and 669 nm (-). These chlorophylls make a special pair that is identified as the primary electron donor P680. The calcd. sepn. between the centers of these 2 pigments (using an extended version of the exciton theory) is about 10 .ANG., the pigments' mol. planes are tilted by about 20.degree., and their N1-N3 axes are rotated by 150.degree. relative to each other. The other 2 chlorophylls and 1 of the 2 pheophytins in the D1-D2-cyt b559 complex have their max. absorption at 672 nm, while the max. absorption of the photochem. active pheophytin is probably at 672-676 nm. During incubation with Triton X-100, the photochem. active complex is **transformed** into an inactive form with first-order kinetics. In the inactive from the max. absorption of the 679 nm absorbing Chls is blue-shifted to 669 nm. The first-order decay of the photochem. activity suggests that the isolated D1-D2-cyt b559 complex is **stable** as an aggregate but becomes unstable on dissocn. into individual D1-D2-cyt b559 units.

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 3
AB The water plant **L. perpusilla** was incubated with the E. coli plasmids pMB9 and pBR325, resp. Uptake of plasmids was shown by subsequent **transformation** of E. coli cells to tetracycline resistance after treatment with **Lemna** DNA from plasmid-incubated plants. In 7 out of 15 assays **stable transformants** were found. From the **transformation** rate an amt. of 10^{-4} to 10^{-6} .mu.g plasmid DNA per 10 .mu.g of plant DNA can be calcd.

=> s 12 and transient

L5 6 L2 AND TRANSIENT

=> dup rem l5

PROCESSING COMPLETED FOR L5

L6 5 DUP REM L5 (1 DUPLICATE REMOVED)

=> d 1-5 ti

L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1
TI **Transient transformation of Wolffia**
columbiana by particle bombardment

L6 ANSWER 2 OF 5 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI A **transient transformation** system for **duckweed**
(*Wolffia columbiana*) using *Agrobacterium*-mediated gene transfer.

L6 ANSWER 3 OF 5 AGRICOLA
TI Analysis of genes negatively regulated by phytochrome action in
Lemna gibba and identification of a promoter region required for
phytochrome responsiveness.

L6 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2003 ACS
TI **Transient** expression of photosynthetic genes in transfected
albinoid petunia protoplasts and correct processing of newly synthesized
chloroplast-destined polypeptides

L6 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS
TI Deletion analysis of a phytochrome-regulated monocot *rbcS* promoter in a
transient assay system

=> d so

L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1
SO Aquatic Botany (2002), 72(2), 175-181
CODEN: AQBODS; ISSN: 0304-3770

=> d ab

L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1
AB The biolistic approach was used to **transform Wolffia**
columbiana by introducing the plasmid pCAMBIA1301, which contains a *uidA*
reporter construct under control of the constitutive CaMV 35S promoter.
The expression pattern of the *uidA* reporter gene indicated that
Wolffia was at least transiently **transformed** by
biolistic particle delivery. When gold particles of 0.6 .mu.m diam. were
accelerated at 1350 psi with a target distance of 60 mm a
transformation rate of 19.+-.1% and a survival rate of 70-80% were
achieved. The results will serve as a basis for the in vivo or in vitro
regeneration of **transgenic duckweed** fronds.

=> d so

L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1
SO Aquatic Botany (2002), 72(2), 175-181
CODEN: AQBODS; ISSN: 0304-3770

=> d au

L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1
AU Kruse, Cordula; Boehm, Robert; Voeste, Dirk; Barth, Stefan; Schnabl, Heide

=> d 2 au

- L6 ANSWER 2 OF 5 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AU Boehm, Robert; Kruse, Cordula; Voeste, Dirk; Barth, Stefan; Schnabl, Heide
(1)

=> d 2 ab

- L6 ANSWER 2 OF 5 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AB Since duckweed (Lemnaceae family) is a valuable target plant for various applications including waste water treatment and food purposes, the expression of homologous or heterologous proteins may offer an extended range of application. Therefore, the feasibility of **transformation** of *Wolffia columbiana* (Lemnaceae) by *Agrobacterium tumefaciens*-mediated gene transfer has been elucidated. Several methods were tested to increase the accessibility of the plant cells for the infecting *Agrobacterium tumefaciens* strain LBA4404, harboring p35SGUSINT : corundum- and gold particle-treatment, vacuum infiltration and disintegration of the fronds. The resulting overall **transformation** efficiency was higher than without any treatment, reaching an average of 3.9% of all fronds showing GUS staining. Induction of *Agrobacterium*'s vir genes by media conditions as well as the presence of 0.6 M mannitol during infection resulted in a clear increase of **transformation** efficiency. Max. approx. 30 %, average 15-20 % of fronds showing GUS staining were obtained both with corundum-treated as well as with vacuum infiltrated fronds, but **transformation** pattern was different. Whereas in the former mainly epidermal and subepidermal cells were **transformed**, the latter showed, in addition, **transformed** inner frond cells, including the meristematic region. Disintegration of the fronds, followed by vacuum infiltration, led to whole GUS-stained areas of the frond fragments. The results as such and the observed **transformation** patterns will serve as a basis for offering good conditions either in the in vivo - or the in-vitro-regeneration of **transgenic duckweed** fronds.

=> d 2 so

- L6 ANSWER 2 OF 5 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
SO Journal of Applied Botany, (August, 2001) Vol. 75, No. 3-4, pp. 107-111.
print.
ISSN: 0949-5460.

=> d 3 ab

- L6 ANSWER 3 OF 5 AGRICOLA
AB As a step to understanding how the photoreceptor phytochrome acts to change the transcription of specific nuclear genes in *Lemna gibba*, we wish to compare promoter elements involved in negative regulation by phytochrome with those involved in positive regulation. We have isolated three genes negatively regulated by phytochrome, designated NPR (negatively phytochrome regulated) genes (P.A. Okubara, E.M. Tobin [1991] Plant Physiol 96:1237- 1245), and we have now sequenced two of these. The promoters of both contain some sequence motifs that are identical with motifs from other genes. We used a **transient** assay in *L. gibba* to demonstrate that approximately 1.7 kb pairs of the NPR 1 promoter and 1.1 kb pairs of the NPR2 promoter could confer negative phytochrome regulation to a luciferase reporter gene. Deletion analysis of the NPR2 promoter showed that sequences between -208 and -82 from the

transcription start were necessary for negative phytochrome regulation. However, this region was not sufficient to confer negative regulation by phytochrome to another promoter. Additionally, we noted that this region showed no similarity to a region identified as important for the negative regulation of the oat phyA promoter (W.B. Bruce, X.-W. Deng, P.H. Quail [1991] EMBO J 10:3015-3024), but it does contain a sequence element found in several other kinds of genes, including ones positively regulated by phytochrome. The deduced amino acid sequences of NPR1 and NPR2 were found to share similarities with many abscisic acid-induced or seed-abundant proteins. Thus, these genes, like other phytochrome-regulated genes, might respond to multiple regulatory signals.

=> d 3 au

L6 ANSWER 3 OF 5 AGRICOLA

AU Okubara, P.A.; Williams, S.A.; Doxsee, R.A.; Tobin, E.M.

=> d 3 so

L6 ANSWER 3 OF 5 AGRICOLA

SO Plant physiology, Mar 1993. Vol. 101, No. 3. p. 915-924
Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-
CODEN: PLPHAY; ISSN: 0032-0889

=> dup rem l2

PROCESSING COMPLETED FOR L2

L7 69 DUP REM L2 (22 DUPLICATES REMOVED)

=> s 17 and transgenic

L8 18 L7 AND TRANSGENIC

=> d 1-10 ti

L8 ANSWER 1 OF 18 AGRICOLA

TI Genetic transformation of duckweed *Lemna gibba* and *Lemna minor*.

L8 ANSWER 2 OF 18 AGRICOLA

TI Overexpression of D-myo-inositol-3-phosphate synthase leads to elevated levels of inositol in *Arabidopsis*.

L8 ANSWER 3 OF 18 CAPLUS COPYRIGHT 2003 ACS

TI Sequences of *Arabidopsis thaliana* benzodiazepine/benzodiazepine-like receptor protein functioning as ion channels and use for regulating plant metabolism

L8 ANSWER 4 OF 18 CAPLUS COPYRIGHT 2003 ACS

TI Regulation of glutamic acid decarboxylase activity in transgenic plants for improved .gamma.-aminobutyric acid production and tolerance of plant stress

L8 ANSWER 5 OF 18 CAPLUS COPYRIGHT 2003 ACS

TI Transient transformation of *Wolffia columbiana* by particle bombardment

L8 ANSWER 6 OF 18 CAPLUS COPYRIGHT 2003 ACS

TI Sequence of Douglas fir luminal binding protein gene promoter PmBiPPro1 and uses in transgene expression in plants

L8 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2003 ACS

TI Transgenic plants having increased methionine content due to

reduction of threonine synthase activity

L8 ANSWER 8 OF 18 CAPLUS COPYRIGHT 2003 ACS

TI Expression of multiple genes in a single operon in plants and uses as insecticides and in degrading inorganic or organic metal compounds in soil and water

L8 ANSWER 9 OF 18 CAPLUS COPYRIGHT 2003 ACS

TI Adenosine phosphosulfate reductase cDNA-expressing **transgenic** plants enriched in cysteine and glutathione content

L8 ANSWER 10 OF 18 CAPLUS COPYRIGHT 2003 ACS

TI Ligand-gated ion channel GLR4 from *Arabidopsis thaliana* and methods of regulating plant metabolism

=> d so

L8 ANSWER 1 OF 18 AGRICOLA

SO In vitro cellular & developmental biology. Plant : journal of the Tissue Culture Association, May/June 2001. Vol. 37, No. 3. p. 349-353
Publisher: Largo, MD : Society for In Vitro Biology.
CODEN: IVCPEO; ISSN: 1054-5476

=> d 3 ab

L8 ANSWER 3 OF 18 CAPLUS COPYRIGHT 2003 ACS

AB The present invention provides sequences of *Arabidopsis thaliana* benzodiazepine or benzodiazepine-like receptor proteins, which are expected to function as modulators of GABA action and, in particular, as ion channels, such as ligand-gated ion channels. The invention also provides recombinant vectors including the nucleotide sequences encoding the proteins. Further provided are plant host cells that include the recombinant vectors, **transgenic** plants and methods of using the nucleotide and amino acid sequences described herein, including methods of treating plants, methods of expressing the proteins described herein, methods of modifying receptor activity in a plant and methods of regulating plant metab.

=> d 5 so

L8 ANSWER 5 OF 18 CAPLUS COPYRIGHT 2003 ACS

SO Aquatic Botany (2002), 72(2), 175-181
CODEN: AQBODS; ISSN: 0304-3770

=> d 7 ab

L8 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2003 ACS

AB **Transgenic** plants are described which have an increased methionine content due to the redn. of the activity of threonine synthase in cells of these plants. Furthermore, methods for the prepn. of such cells are described as well as the use of nucleic acid mols. encoding threonine synthase for the prepn. of the described **transgenic** plants. Successful use of this method has been demonstrated in potato plants, *Arabidopsis* and *Lemna* which had elevated levels of methionine.

=> d 7 so

L8 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2003 ACS

SO PCT Int. Appl., 43 pp.
CODEN: PIXXD2

=> d 7 pi

L8 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2003 ACS
PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2001075130 A1 20011011 WO 2001-EP3842 20010404
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,
RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ,
VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

=> d 10 so

L8 ANSWER 10 OF 18 CAPLUS COPYRIGHT 2003 ACS
SO PCT Int. Appl., 54 pp.
CODEN: PIXXD2

=> d 10 pi

L8 ANSWER 10 OF 18 CAPLUS COPYRIGHT 2003 ACS
PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2000052137 A2 20000908
WO 2000052137 A3 20010215 WO 2000-US5407 20000302
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,
CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
AU 2000038630 A5 20000921 AU 2000-38630 20000302
EP 1158849 A2 20011205 EP 2000-917697 20000302
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO
JP 2002541780 T2 20021210 JP 2000-602749 20000302

=> d 8 so

L8 ANSWER 8 OF 18 CAPLUS COPYRIGHT 2003 ACS
SO PCT Int. Appl., 72 pp.
CODEN: PIXXD2

=> d 8 pi

L8 ANSWER 8 OF 18 CAPLUS COPYRIGHT 2003 ACS
PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2001064024 A1 20010907 WO 2001-US6276 20010228

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 EP 1263281 A1 20021211 EP 2001-918264 20010228
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 US 2003041353 A1 20030227 US 2001-807723 20010418

=> d 9 pi

L8 ANSWER 9 OF 18 CAPLUS COPYRIGHT 2003 ACS
 PATENT NO. KIND DATE APPLICATION NO. DATE

 PI WO 2001049855 A1 20010712 WO 2001-FR36 20010105
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 FR 2803484 A1 20010713 FR 2000-139 20000106
 EP 1244792 A1 20021002 EP 2001-903880 20010105
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

=> d 11-18 ti

L8 ANSWER 11 OF 18 CAPLUS COPYRIGHT 2003 ACS
 TI Methods and compositions for production of multimeric proteins in **transgenic** plants
 L8 ANSWER 12 OF 18 CAPLUS COPYRIGHT 2003 ACS
 TI Methods for producing and recovering heterologous polypeptides from **transgenic** plants
 L8 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2003 ACS
 TI Use of **transgenic** vascular aquatic plants as expression hosts in the manufacture of novel metabolites
 L8 ANSWER 14 OF 18 CAPLUS COPYRIGHT 2003 ACS
 TI Light-inducible plant nucleoside diphosphate kinase (NDK) and cloning of cDNA encoding NDK from *Pisum sativum*
 L8 ANSWER 15 OF 18 CAPLUS COPYRIGHT 2003 ACS
 TI Phytochrome regulation of transcription: biochemical and genetic approaches
 L8 ANSWER 16 OF 18 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 TI Two light-responsive elements of pea chloroplastic fructose-1, 6-bisphosphatase gene involved in the red-light-specific gene expression in **transgenic** tobaccos.
 L8 ANSWER 17 OF 18 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

- TI A transient transformation system for duckweed (*Wolffia columbiana*) using *Agrobacterium*-mediated gene transfer.
- L8 ANSWER 18 OF 18 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
- TI ATP-GTP (NTP)-binding proteins and light signal transmission in the plasma membrane from etiolated pea seedlings.

=> d 13 so

- L8 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2003 ACS
- SO Ger. Offen., 4 pp.
CODEN: GWXXBX

=> d 13 pi

- L8 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2003 ACS
- | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------|------|----------|------------------|----------|
| DE 19629402 | A1 | 19980205 | DE 1996-19629402 | 19960720 |
| DE 19629402 | C2 | 19980514 | | |

=> d 15 ab

- L8 ANSWER 15 OF 18 CAPLUS COPYRIGHT 2003 ACS
- AB Phytochrome-regulated expression of reporter genes attached to *Lemna gibba* phytochrome-regulated promoters was obsd. after *Agrobacterium*-mediated transformation of tobacco and biolistic transformation of *Lemna* fronds. The regulation of gene expression by phytochrome in *L. gibba* and *Arabidopsis* is reviewed.

=> d 15 so

- L8 ANSWER 15 OF 18 CAPLUS COPYRIGHT 2003 ACS
- SO NATO ASI Series, Series H: Cell Biology (1991), 50 (Phytochrome Prop. Biol. Action), 167-79
CODEN: NASBE4; ISSN: 1010-8793

- => s duckweed and agrobacter?
- L9 10 DUCKWEED AND AGROBACTER?

- => dup rem l9
- PROCESSING COMPLETED FOR L9
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